

ORIGINAL

CONFIDENTIAL

RELEASED

AUG 2 1991

SIDE ONE

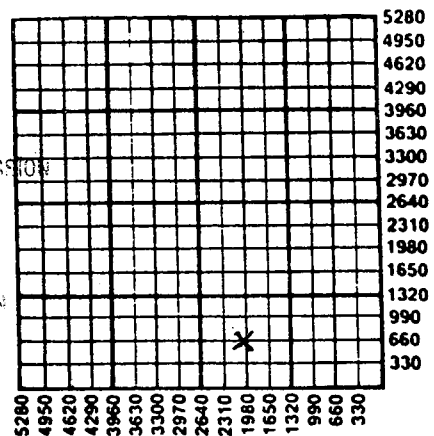
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5393
Name: A. L. Abercrombie, Inc.
Address 150 N. Main, Suite 801
Wichita, KS 67202
Purchaser: Koch Oil Company
Operator Contact Person: Jack K. Wharton
Phone (316) 262-1841
Contractor: Name: Abercrombie Drilling, Inc.
License: 5422
Wellsite Geologist: Rob McCann

Designate Type of Completion
 New Well Re-Entry Workover
 Oil S.W.D. Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If O.W.O.: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
Drilling Method:
 Mud Rotary Air Rotary Cable
5-1-90 5-18-90 6-29-90
Spud Date Date Reached TD Completion Date

API NO. 15- 203-20,090 -60-00
County Wichita FROM CONFIDENTIAL
SW SE Sec. 35 Twp. 20S Rge. 35 East West
660 Ft. North from Southeast Corner of Section
1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Moody Well # 1
Field Name Unknown
Producing Formation Marmaton
Elevation: Ground 3155 KB 3160
Total Depth 5070 PBD 4515



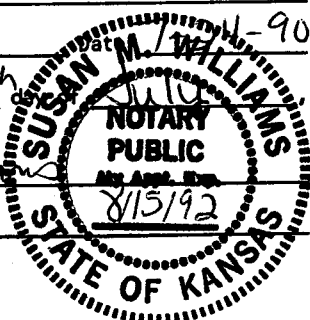
ALT II above

Amount of Surface Pipe Set and Cemented at 216.50 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1436 Feet
If Alternate II completion, cement circulated from 1436
feet depth to Surface w/ 400 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Jack K. Wharton
Title Vice President
Subscribed and sworn to before me this 24th day of July 19 90.
Notary Public Susan M. Williams
Date Commission Expires 8/15/92



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC S.W.D/Rep NPGA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name A. L. Abercrombie, Inc. Lease Name Moody Well # 1

Sec. 35 Twp. 20S Rge. 35 East West
 County Wichita

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

RELEASED

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

DST #1 (2689'-2738')
 30-45-60-45, Rec. 20' mud
 IFP 20-20 ISIP 69
 FFP 20-20 FSIP 49

Formation Description **AUG 21 1991**

Log Sample

FROM CONFIDENTIAL

Name	Top	Bottom
B/Anhydrite	2256'	(+ 904')
Herrington	2682'	(+ 478')
Krider	2720'	(+ 440')
Heebner	3944'	(- 784')
Toronto	3966'	(- 806')
Lansing	3994'	(- 834')
Stark Sh.	4313'	(-1937')
B/KC	4460'	(-1300')
Marmaton	4488'	(-1328')
Beymer Zone	4579'	(-1419')

cont. on Page 3

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Production	12 1/2 7 7/8	8 5/8 5 1/2	28# 15 1/2#, 14 1/2#	216.50 4911.5	60/40 pozmix Common	150 250	2% gel, 3% cc W/D 29
D.V. Tool				1436	65/35 pozmix	400	6% gel

1 of 4 of CFR-2

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated	Amount and Kind of Material Used	Depth
1	4527, 4532, 4537	750 gal 15% INS 3000 gal 15% INS	4844 4844
	squeezed above perms set BCTBP @	4515	
2	4490 to 4500	500 gal 15% INS	4515

TUBING RECORD Size Set At Packer At Liner Run Yes No

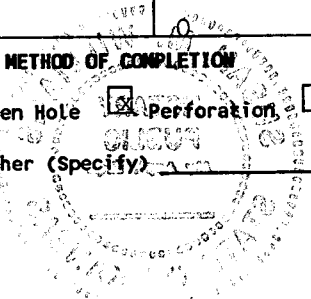
Date of First Production 7-2-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	90.26				

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify)

Production Interval 4490-4500



ORIGINAL

DST #2

4416 to 4435 (Lower Lansing Zone)

30-45-60-60

Strong blow decreasing to fair

Rec. 2567' Fluid

62' muddy oil, (5% gas, 25% oil, 25% water, 45% mud)

186' HOC wtry mud (20% oil, 25% wtr, 55% mud)

124' HO & MC wtr. (20% oil, 60% wtr, 20% mud)

745' SOC wtr, (2% oil, 98% wtr)

1450' water est 25° oil

IFP 578 to 1067 ISIP 1137

FFP 1126 to 1149 FSIP 1149

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FROM CONFIDENTIAL

DST #3 (4456'-4522') Upper Marmaton

30-45-60-60, Rec. 360' gip, 445' cgo and 186' gocm (30% gas, 10% oil, 60% mud), gravity 30°

IFP 35-106 ISIP 1184

FFP 153-235 FSIP 1172

DST #4 (4522'-4560') Marmaton Altamont zone

30-45-60-45, Rec. 1400' gip, 415' cgo, 115' gocm (20% gas, 20% oil, 60% mud)

IFP 23-58 ISIP 830

FFP 94-141 FSIP 770

DST #5 (4578'-4600') Marmaton Beymer

30-45-30-45 zone-Pawnee

Weak blow 30" and died, flushed tool, weak blow 10" and died. Rec. 30' vsocm and 52' mud

IFP 11-11 ISIP 1102

FFP 47-47 FSIP 1009

DST #6 (4703'-4755') Cherokee lime

30-30-30-30, Weak blow, died in 17 min., Rec. 50' mud w/scum of oil.

IFP 11-11 IBHP 70

FFP 23-23 FBHP 47

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STATE CORPORATION COMMISSION

JUL 25 1990

CONSERVATION DIVISION
Wichita, Kansas

DST #7 (4779'-4810')

30-30-30-30

Weak blow 9", Rec. 15' mud

IFP 31-31 IBHP 659

FFP 31-31 FBHP 579

ORIGINAL

DST #8 (4830'-4930')
30-45-60-45, Rec. 465' mud, 125' wtry mud,
992' salt water
IFP 104-539 ISIP 1050
FFP 634-819 FSIP 1020

RELEASED

AUG 21 1991

FROM CONFIDENTIAL

LOG TOPS CONTINUED

Johnson Zone	4608' (-1448')
Ft. Scott	4624' (-1464')
Cherokee Sh.	4660' (-1500')
Morrow Sh.	4840' (-1680')
Morrow Sand	4906' (-1746')
Miss (St. Gen.)	4916' (-1756')
TD (Log)	5070' (-1910')

RECEIVED
STATE COMMISSION

JUL 25 1990

CONSULTANT
WICHITA, KANSAS



P.O. Box 4442
Houston, TX 77210

CUSTOMER COPY

MAY 10 1990 ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

DATE 5-1-90	SERVICE CONTRACT NO. 609707
NEW WELL <input checked="" type="checkbox"/> WELL TYPE 0 OLD WELL <input type="checkbox"/>	JOB NUMBER
WELL NO. 1	LEASE NAME & FEDERAL OFFSHORE LEASE NO. Moody
COUNTY/PARISH Wichita	STATE/KS
CITY Wichita	CITY CODE
WELL OWNER Abercrombie Dalg Co. Inc.	MTA CODE
STAGE NO.	WORKING DEPTH 216' FT
TOTAL PREV. GALS.	PUMPING EQUIPMENT
TOTAL MEAS. DEPTH	TIME (A OR P) DATE
FT.	TRUCK CALLED 7:00 P 5-1-90
AVG. PSI. 500	ARRIVED AT JOB 9:30 P 5-1-90
MAX. PSI. 700	START OPERATION 4:20 A 5-2-90
MAX. BPM 6	FINISH OPERATION 4:30 A 5-2-90
S/S EMPLOYEE NUMBER 513-58-0438	TIME RELEASED 5:00 A 5-2-90
	MILES FROM STATION TO WELL 75
	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST NAME Caldwell, Ks
CUSTOMER Abercrombie Dalg Co. Inc.	DIST NUMBER 3320
ADDRESS	ORDER NO.
CITY	STATE
AUTHORIZED BY: (Please Print) Bill Craig	
JOB CODE	WORKING DEPTH
1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	
SIZE HOLE 12 7/8" DEPTH 218' FT	
SIZE & WT. CASING 8 5/8" 32# DEPTH 216' FT	
SIZE & WT. DRILL PIPE OR TUBING	
PACKER DEPTH	FLUID PUMPED
AVG. PSI. 500	
MAX. PSI. 700	
MAX. BPM 6	
S/S EMPLOYEE NUMBER 513-58-0438	

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

RELEASED

AUG 21 1991

FROM CONFIDENTIAL

REMARKS

*102-6725

Rig #1

(1A)

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK	017	SIGNED X W. C. Craig	(WELL OWNER, OPERATOR, CONTRACT OR AGENT)		
PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
110110103103	1	Pumping charge	375.00	ea	375.00
1101109005	150	Pump trip mileage (Caldwell 75)	1.10	RT	165.00
11041105104	90	Class A Cement	6.00	sh	540.00
11041150118	60	Pas Mix	3.62	sh	217.20
1104115048	400	Ca. cl.	.33	lb.	132.00
11042101145	300	Hel	6.75	cut	2025
1104310539	1	8 5/8" plug	17.00	ea	17.00
11094101011	510	Hauling 6.8 x 75	.70	Tm	357.00
11088101085	150	Handling + dumping	.95	sh	142.50
		Subtotal 1965.95 (-20% discount 393.19) Total			1572.76
SERVICE REPRESENTATIVE Barney H.	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY W. C. Craig		(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)		

CHECK IF CONTINUATION IS USED

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

BJ SERVICES TERMS AND CONDITION

EFFECTIVE: 04/15/86

TERMS. Terms of payment for all services and materials including bulk content are net price. All unpaid bills are subject to maximum legal interest rate, per annum, beginning 30 days after invoice date. In the event that Customer's account with BJ Services becomes delinquent, BJ Services has the right to reinstate any and all discounts applied in arriving at net invoice price; such amounts will likewise become due and owing and subject to collection.

TAXES. All prices are exclusive of any Federal, State or Special Taxes for the sale or use of merchandise or service listed. The amount of taxes required to be paid by the seller shall be added to the quoted prices payable by the buyer.

CREDIT. Unless satisfactory credit has been established, cash payment will be required in advance.

TOWING CHARGES. We will make reasonable attempt to get to and from the well under our own power. Should we be unable to do so because of poor or inadequate road conditions, and it becomes necessary to employ a tractor or other pulling equipment, such equipment will be supplied by the customer, or if furnished by us, the cost will be charged to the customer.

SPECIAL PROVISIONS. If a material service is ordered and the customer cancels same after the materials have been prepared, a charge will be made to the customer for expenses incurred.

All material prices are subject to change without notice.

In connection with services performed that require payment of any applicable royalty or license fee, such royalty or license fee will be billed to the customer in addition to the price of any services performed by BJ Services.

SERVICE CONDITIONS. We carry public liability and property damage insurance, but as there are so many uncertain and unknown conditions not subject to our control, we can neither be liable for injuries to property or persons nor for loss or damage arising from the performance of our services or resulting therefrom.

1. The Company shall not be liable or responsible for and customer shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims or causes of action for damage to customer's property and of the well owner, or any third person, and for bodily injury, sickness or disease, including death resulting thereof, brought by, or on behalf of customer, the well owner, or any third person arising out of, or in connection with, BJ Services' performance of services or the furnishing of materials, products, and supplies; unless caused by the willful misconduct or gross negligence of BJ Services.

2. Customer shall also be responsible for and shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for oil spills, pollution, sub-surface damage or surface damage, injury to the well, reservoir loss, or damage arising from a well blow-out; unless such loss or damage is caused by the willful misconduct or gross negligence of BJ Services.

3. Customer shall also be responsible for and shall defend, indemnify and hold BJ Services harmless, and its officers, agents or employees, from and against any and all claims, causes of action and liabilities for damages occurring as a result of sub-surface trespass arising out of any oil well fracturing operations or services performed by BJ Services, this provision applying to any claims or legal actions of royalty owners, working interest holders, over-riding royalty interest holders, or any other person or concern.

4. BJ Services does not assume any liability or responsibility for damages or conditions resulting from chemical action in the cements caused by the contamination of water or other fluids.

5a. Should any of BJ Services' tools, equipment, or instruments become lost in the well or damaged when performing or attempting to perform services, customer shall either recover such lost items without cost to BJ Services or reimburse BJ Services for the reasonable value of such tools, equipment or instruments; unless such loss or damage is caused by the sole negligence of BJ Services.

5b. In addition to the above, in case of loss or damage to tools, equipment, or instruments used for marine operations, customer shall either recover such lost items without cost to BJ Services or reimburse BJ Services for such loss or damage which occurs at any time after delivery to the customer at the landing until returned to BJ Services at the landing; unless such loss or damage is caused by the sole negligence of BJ Services.

6. BJ Services does not guaranty or warrant the success of the effectiveness of the result of any of its services, materials, products or supplies used, sold or furnished.

7. BJ Services does not guaranty or warrant the accuracy or correctness of any facts, information or data furnished by BJ Services; unless caused by the willful misconduct or gross negligence of BJ Services in the preparation, furnishing of such facts, information or data.

8. Work done by BJ Services shall be under the direction, supervision and control of the owner, operator, or his agent and BJ Services will perform the work as an independent contractor and not as an employee or agent of the owner or operator.

9. In no event shall Company be liable for consequential and/or special damages, loss of profits, loss of product or use.

WARRANTY PROVISIONS. BJ Services warrants all materials, products and supplies manufactured or furnished by it to be free from defects in material and workmanship, under normal use and service, when installed, used and serviced in the manner provided and intended. BJ Services' obligation under this warranty is expressly limited to repair, replacement or allowance of credit, at its option, for any materials, product or supplies which are determined by BJ Services to be defective. This is the sole warranty of BJ Services and no other warranty is applicable, either express or implied, in fact or by law, including any warranty as to merchantability or fitness for a particular use or purpose. Customer's sole and only remedy in regard to any defective materials, products or supplies shall be the repair or replacement thereof or allowance of credit as herein provided, and BJ Services shall not be liable for any consequential, special, incidental or punitive damages resulting from or caused by any defective materials, products or supplies.



LOAD SHEET

ORIGINAL

JOB NUMBER 609707	CONTRACT NUMBER	DATE 5-1-90	DISTRICT NAME Oakley, Ks 3320
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CUSTOMER NAME AND ADDRESS Abercrombie Dily Co. Inc.	DIRECT SHIPMENT FROM VENDOR NAME
---	-------------------------------------

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	410504	Class A Cement	sb	90		
2	415018	Poo mix	sb	60		
3	415048	Ca. CO.	lb.	400	RELEASED	
4	420145	Hel	cut	300		
5	430539	8 5/8" plug	ea	1		
6						
7						
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25						
26						
27						

FROM CONFIDENTIAL

* 102 6725

sig # 1
JW

RECEIVED
STATE COORDINATION COMMISSION
JUL 25 1990
CONSERVATION DIVISION
Wichita, Kansas

COPY 1 — DISTRICT COPY COPY 2 — CUSTOMER COPY COPY 3 — HOUSTON	LOADED BY Fred K. Howard	CUSTOMER W.C. Craig
	Larry L.	SIGNATURE
	SIGNATURE	DATE 5-1-90

CEMENTING LOG

STAGE NO.
ORIGINAL

Date 5-1-90 District Oakley, Ks Ticket No. 609707
 Company Abbeville Drilling Co. #1
 Lease Moady Well No. 1
 County Wichita State Ks
 Location Friend 13w- Win Field _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____

CASING DATA
 Surface PTA Squeeze
 Intermediate Production Liner
 Size 8 5/8 Type J-55 Weight 21.32 Collar S 8 id

LEAD: Pump Time _____ hrs. Type 60/40 Pco
3 2/3 cc 2 1/2 gal Excess _____
 Amt. 150 Sks Yield 1.24 ft³/sk Density 14.8 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top surface Bottom 216'

Pump Trucks Used BSU-6463
 Bulk Equip. BSU-2037 **RELEASED**

APR 21 1991

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Float Equip: Manufacturer _____
 Shoe: Type _____ **FROM CONFIDENTIAL**

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 1.0652 Lin. ft./Bbl. 15.7
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top wood Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H₂O Amt. 125 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Bill Craig CEMENTER Harry J.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
<u>9:30</u>						<u>on loc & set up tribo</u> <u>hold pre-job safety meeting</u> <u>hook up to circulate</u> <u>mix cement</u> <u>displace cement</u> <u>plug down</u>
<u>10:30</u>						
<u>4:00</u>						
<u>4:20</u>						
<u>4:27</u>						
<u>4:30</u>						<u>Cement did circulate</u>

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JUL 25 1990

CONSERVATION DIVISION
 Wichita Kansas

Thank you
Harry & crew



ORIGINAL

ORIGINAL

INVOICE DATE
05/18/90

DIRECT BILLING INQUIRIES TO: 713-395-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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PAGE 1	INVOICE NO. SZ093
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A L ABERCROMBIE INC
801 UNION CENTER BUILDING
WICHITA

RELEASED

AUTHORIZED BY
609718

KS 67202

AUG 21 1991

JUN 4 1990

PURCH. ORDER REF. NO.

WELL NUMBER : 1

CUSTOMER NUMBER : 00501005
FROM CONFIDENTIAL

LEASE NAME AND NUMBER MOODY	STATE 14	COUNTY/PARISH	CITY	DISTRICT NAME DOKLEY	DISTR. NO. 3320
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB 05/18/90	TYPE OF SERVICE LAND-LONG STRING/PRODUC	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100320	1.00	CEMENTING CASING 3001 TO 5000	935.00		935.00
10100325	19.11	PLUS PER 100 FT. BELOW 3000 FT	11.00		210.21
10101501	1.00	ADD STAGES, CONTINUOUS OR INTE	865.00		365.00
10109005	150.00	MILEAGE CHRG, FROM NEAREST BAS	1.10		165.00
10410504	280.00	CLASS "A" CEMENT	6.00	CF	1,680.00
10415018	30.00	FLY ASH	3.62	CF	108.60
10415005	445.00	LITE	5.56	CF	2,474.20
10415082	350.00	KOL SEAL	0.33	LB	115.50
10424005	38.00	CD-31	3.87	LB	147.06
10428085	425.00	BA-29	9.00	LB	3,825.00
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPI	1.45	GL	725.00
10940101	2835.00	DRAYAGE, PER TON MILE	0.70		1,984.50
10880001	810.00	MIXING SEVICE CHRG DRY MATERIA	0.95		769.50
10409600	1.00	5 1/2" GUIDE SHOE	123.75	GL	123.75
10409600	1.00	5 1/2" INSERT	187.20	GL	187.20
10409600	2.00	5 1/2" CENTRALIZERS	46.80	GL	93.60

RECEIVED
STATE COMMISSION

JUL 25 1990

CONSULTATION DIVISION
Wichita, Kansas

ACCOUNT

TAX EXEMPTION STATUS:





ORIGINAL

ORIGINAL

INVOICE DATE
05/18/90

DIRECT BILLING INQUIRIES TO 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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PAGE	INVOICE NO.
2	SZ093

A L ABERCROMBIE INC
801 UNION CENTER BUILDING
WICHITA

KS 67202

RELEASED

AUG 21 1991

AUTHORIZED BY
609718

PURCH ORDER REF NO

WELL NUMBER : 1

CUSTOMER NUMBER : 00501000
FROM CONFIDENTIAL

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
MOODY	14			OAKLEY	3320
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
		05/18/90	LAND-LONG STRING/PRODUC		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10409600	23.00	5 1/2" SCRATCHERS	27.90	GL	641.70
10409600	1.00	5 1/2" D V TOOL	3,134.55	GL	3,134.55
10409600	4.00	5 1/2" CENT STYLE BASKETS	168.30	GL	673.20
			SUBTOTAL		18,858.57
			DISCOUNT		3,771.71

RECEIVED
STATE OF KANSAS
JUL 25 1990

ACCOUNT	4.25000% STATE TAX 1.00000% COUNTY TAX	11143.49 11143.49	473.59 111.44
1352008 1352008			

TAX EXEMPTION STATUS:

PAY THIS AMOUNT

15,671.89

SIDE TWO

Operator Name A. L. Abercrombie, Inc. Lease Name Moody Well # 1

Sec. 35 Twp. 20S Rge. 35 East West
 County Wichita

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

RELEASED

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

DST #1 (2689'-2738')
 30-45-60-45, Rec. 20' mud
 IFP 20-20 ISIP 69
 FFP 20-20 FSIP 49

Formation Description **AUG 21 1991**

Log Sample

FROM CONFIDENTIAL

Name	Top	Bottom
B/Anhydrite	2256'	(+ 904')
Herrington	2682'	(+ 478')
Krider	2720'	(+ 440')
Heebner	3944'	(- 784')
Toronto	3966'	(- 806')
Lansing	3994'	(- 834')
Stark Sh.	4313'	(-1937')
B/KC	4460'	(-1300')
Marmaton	4488'	(-1328')
Beymer Zone	4579'	(-1419')

cont. on Page 3

CASING RECORD New Used
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2	8 5/8	28#	216.50	60/40 pozmix	150	2% gel, 3% cc
Production	7 7/8	5 1/2	15 1/2#, 14 1/2#	4911.5	Common	250	W/D 29
D.V. Tool				1436	65/35 pozmix	400	6# Gil/sx:3/4 of CFR-2

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
1	4527, 4532, 4537	750 gal 15% INS 3000 gal 15% INS	4844 4844
	squeezed above perfs set BCTBP @	4515	
2	4490 to 4500	500 gal 15% INS	4515

TUBING RECORD Size Set At Packer At Liner Run Yes No

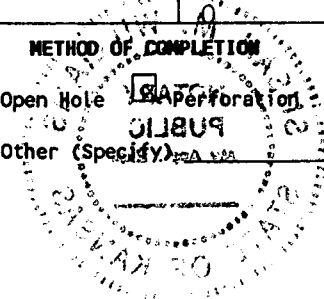
Date of First Production 7-2-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	90.26				

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled

Production Interval 4490-4500



MOODY #1

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DST #2

4416 to 4435 (Lower Lansing Zone)

30-45-60-60

Strong blow decreasing to fair

Rec. 2567' Fluid

62' muddy oil, (5% gas, 25% oil, 25% water, 45% mud)

186' HOC wtry mud (20% oil, 25% wtr, 55% mud)

124' HO & MC wtr. (20% oil, 60% wtr, 20% mud)

745' SOC wtr, (2% oil, 98% wtr)

1450' water est 25° oil

IFP 578 to 1067 ISIP 1137

FFP 1126 to 1149 FSIP 1149

DST #3 (4456'-4522') Upper Marmaton

30-45-60-60, Rec. 360' gip, 445' cgo and 186'

gocm (30% gas, 10% oil, 60% mud), gravity 30°

IFP 35-106 ISIP 1184

FFP 153-235 FSIP 1172

DST #4 (4522'-4560') Marmaton Altamont zone

30-45-60-45, Rec. 1400' gip, 415' cgo, 115'

gocm (20% gas, 20% oil, 60% mud)

IFP 23-58 ISIP 830

FFP 94-141 FSIP 770

DST #5 (4578'-4600') Marmaton Beymer

30-45-30-45 zone-Pawnee

Weak blow 30" and died, flushed

tool, weak blow 10" and died. Rec. 30' vsocm

and 52' mud

IFP 11-11 ISIP 1102

FFP 47-47 FSIP 1009

DST #6 (4703'-4755') Cherokee lime

30-30-30-30, Weak blow, died in 17 min., Rec.

50' mud w/scum of oil.

IFP 11-11 IBHP 70

FFP 23-23 FBHP 47

DST #7 (4779'-4810')

30-30-30-30

Weak blow 9", Rec. 15' mud

IFP 31-31 IBHP 659

FFP 31-31 FBHP 579

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DST #8 (4830'-4930')
30-45-60-45, Rec. 465' mud, 125' wtry mud,
992' salt water
IFP 104-539 ISIP 1050
FFP 634-819 FSIP 1020

LOG TOPS CONTINUED

Johnson Zone	4608' (-1448')
Ft. Scott	4624' (-1464')
Cherokee Sh.	4660' (-1500')
Morrow Sh.	4840' (-1680')
Morrow Sand	4906' (-1746')
Miss (St. Gen.)	4916' (-1756')
TD (Log)	5070' (-1910')

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